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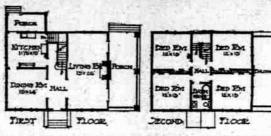
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BUILDING NEWS

A HOUSE OF COLONIAL STYLE.





This house is of true Colonial style, convenient a well as attractive, and suitable for erection in any locality. All the rooms are of large dimensions, particularly the living room, which is made attractive by an open fireplace. There are side and rear porches.

Direct communication has been established between the dining-room and kitchen.

Second floor is well laid out, with four large bedrooms, hall, and modern bathroom. There is a balcony over the side porch, giving an excellent opportunity for exterior decoration.

This house can be built for \$4,185, as shown by the following items:

Hardware	200 Carp	enter work	600	Total	e-section in the country	\$4,185
Excavation	700 Pain	ting and glazing	300 1	Hot-air heati	ing	225

CEMENT MORTAR IS WATER-TIGHT

of Standards Issues Bulle tin After Making Exhaustive Tests.

GOOD MIXTURES ARE NEEDED

Portland cement mortar and concreta may be made practically water-tight, it has been determined through tests made by the Geological Survey and the Bureau of Standards, seconding to officials of the survey. They told yesterday of the re-cuits which had been obtained from ex-periments made of the labouratory of the survey at St. Louis and at the Bureau of Standards.

periments made of the labouratory of the survey at St. Louis and at the Bureau of Standarda. The conclusions are summarized to a bulletin as follows, the first series of tests on plain mortar and concrete being correlated with those made with mortar and concrete that had been treated with the various waterproofing and damp-proofing compounds.

Portland cement mortar and concrete made be made practically water-light or impermeable (as is defined below) to any hydrostatic head up to forty feet without the use of any of the so-called "integral" waterpreofing materials, but in order to obtain such impermeable mortar or concrete considerable care should be exercised in selecting good materials as aggregate and proportioning them in such a manner as to obtain a dense mixture. The consistency of the mixture should be wet enough so that it can be puddled, the particles flowing into position without tamping. The mixture should be well spaded against the forms when placed so as to avoid the formation of pockets on the surface.

The addition of so-called "integral" waterproofing compounds will not compensate for lean mixtures, nor fur poor materials, nor for poor workmunship in the fabrication of the concrete. Since in practice the laser integral compounds (setting simply as void-filling material) have very little or no effective as a practical for a fine material be added) and the mortar be placed without folius and well troweled care being taken not to evertrowel, which may cause creating, the coating will be effective as an impermeable medium without the use of

D. C. Jabout to well speaked against the form of process of the speaked against the form of the speaked against the speaked against the form of the speaked against the form of

apprehension that may arise, it should be stated here that the United States Geological Survey maintains no testing laboratories and does not make any kind of tests of cement or of any other structural materials either free or for compensation. Such work should be in-trusted to private commercial laborato-ries, such as in operation in all the large cities of the United States.

HOME NOW BEING BUILT.



Appleton Cady.

CADY HOUSE PLANNED.

ADDITION TO HOME.

Leased by Mrs. Marshall Field

Construction work is nearing com-pletion on an important addition to the large residence at the northwest cor-ner of Sixteenth and Euclid Streets, which has been taken under lease and will be occupied this winter by Mrs. Marshall Field of Cheago. The resi-dence, which is one of the several at Marshall Field of Chicago. The residence, which is one of the several at the end of Sixteenth Street hill owned by former Senator John B. Henderson, is being enlarged so that it may better meet the needs of the prospective occupant in her social plans for the ensuing season. In the addition, which is being placed on the north side of the house, so that it becomes a part of the Sixteenth Street frontage, the architect G. Oakley Totten, jr., has followed the Italian renaissance style of the house. John H. Nolan, builder, has the contract for the construction work. While the addition is two stories in height, only one room will become a part of the main portion of the house, and this will be a large music room, or ballroom, with a gallery occupying one end. This will be on the second floor level, and believ it, on the first floor, will be two reception rooms. When it is completed the addition will have cost approximately 50,000.

Senator Henderson also has had built in

addition will have cost approximately 150,000. Senator Henderson also has had built in the present season an addition to another of his houses, incated about a block farther north in Sixteenth Street. This addition was placed on the rear of the residence in question, and it affords space for a library and several file rooms, so that the house is now adapted to the needs of an embasy or legation. It is expected it will be taken under lease by one of the foreign Ministers stationed in Washington.

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